

Converting Colors

$Yxy(83.7458, 0.3129, 0.4291)$

Have a look what the booklet for
Yxy(83.7458, 0.3129, 0.4291)
contains.

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Color

Yxy(83.7317, 0.3127, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFA9
RGB	177, 255, 169
RGB Percent	69%, 100%, 66%
CMY	0.3057, 0.0000, 0.3373
CMYK	0.31, 0.00, 0.34, 0.00
HSL	114°, 100%, 83%
HSV	114°, 34%, 100%
XYZ	61.0609, 83.7317, 50.4772
YIQ	221.8740, -18.8820, -43.2820

Conversions

Conversions Part 2

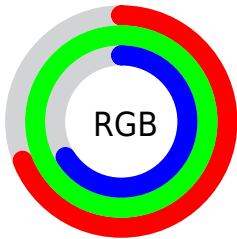
Format	Color
RYB	169, 255, 247
Decimal	11665321
CIELab	93.33, -39.84, 33.72
CIELCh	93, 52.189, 139.755
Yxy	83.7317, 0.3127, 0.4288
Android (android.graphics.Color)	4289855401 (0xFFB1FFA9)
YUV	221.8740, -26.0669, -39.3545
Hunter-Lab	91.5050, -41.0216, 31.3472

Details

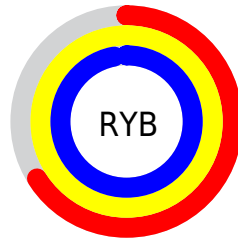
The Yxy color **83.7317, 0.3127, 0.4288** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.3587, 0.3102, 0.2433**, and the grayscale version is **73.1596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4487, 0.3169, 0.3594**, and **45.7867, 0.3110, 0.4539** is the 20% darker color. If you saturate the color by 10%, you get **80.3800, 0.3120, 0.4638**, and if you desaturate by 10%, it is **87.7369, 0.3130, 0.3956**.

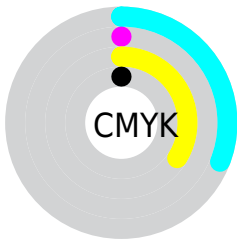
Distribution



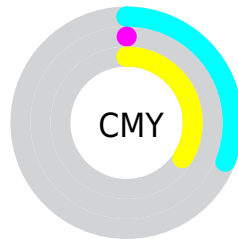
- Red (69%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (97%)



- Cyan (31%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7317, 0.3127, 0.4288 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 83.7317, 0.3127, 0.4288 by changing the saturation by 10% instead.

 83.7317, 0.3127,
0.4288

 83.7317, 0.3127,
0.4288


507.4219, 0.3142,
0.3812

 62.7939, 0.3119,
0.4399


 138.5998, 0.3136,
0.4121

 45.6745, 0.3108,
0.4538


173.2989, 0.3138,
0.4056

 31.9891, 0.3090,
0.4714


213.3540, 0.3140,
0.4001

 21.3531, 0.3061,
0.4946

259.1494, 0.3141,
0.3953

 13.3824, 0.3010,
0.5263

311.0694, 0.3142,
0.3911

 7.6924, 0.2916,
0.5716


369.4986, 0.3142,


 3.8987, 0.2759,

0.3874


0.6483

434.8213, 0.3142,
0.3842

 1.6171, 0.2103,
0.7897

 0.3691, 0.0000,
1.0000


 83.7317, 0.3127,
0.4288


 83.7317, 0.3127,
0.4288


 80.3800, 0.3120,
0.4638


 87.7369, 0.3130,
0.3956

 77.6372, 0.3109,
0.4990

 92.4165, 0.3130,
0.3653

 75.4695, 0.3093,
0.5321

 97.8034, 0.3128,
0.3382

 73.8357, 0.3073,
0.5604

99.9977, 0.3127,
0.3290

■ 72.6891, 0.3050,
0.5816

■ 71.9745, 0.3028,
0.5944

■ 71.7104, 0.3017,
0.5987

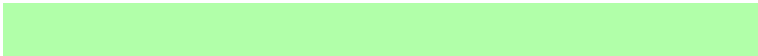
Harmonies

Analogous

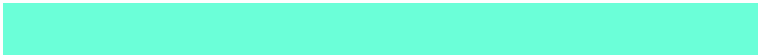
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7317, 0.3705, 0.4371



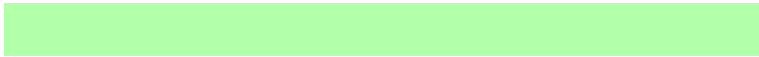
83.7317, 0.3127, 0.4288



83.7317, 0.2578, 0.3834

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7317, 0.3127, 0.4288



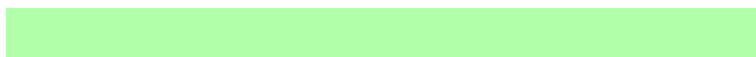
83.7317, 0.2164, 0.2416



83.7317, 0.4141, 0.3236

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83.7317, 0.3127, 0.4288



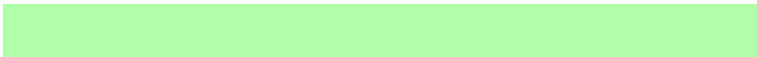
55.3587, 0.3102, 0.2433

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7317, 0.3647, 0.2814



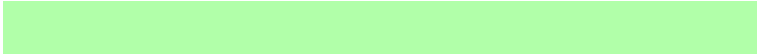
83.7317, 0.3127, 0.4288



83.7317, 0.2502, 0.2357

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7317, 0.3127, 0.4288



83.7317, 0.2058, 0.2706



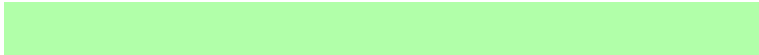
83.7317, 0.3034, 0.2502



83.7317, 0.4325, 0.3699

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7317, 0.3127, 0.4288



83.7317, 0.2300, 0.3423



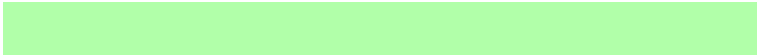
83.7317, 0.3034, 0.2502



83.7317, 0.4003, 0.3087

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83.7353, 0.3127, 0.4288



94.3421, 0.3130, 0.3548



90.2769, 0.3663, 0.4059



20.0354, 0.3130, 0.3587



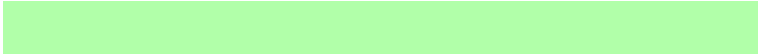
0.0000, 0.0000, 0.0000



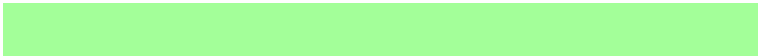
21.4041, 0.3127, 0.3290

Same Dimension

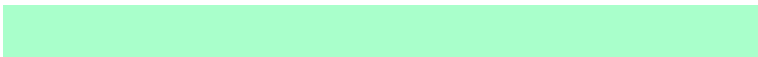
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.7353, 0.3127, 0.4288



81.5591, 0.3123, 0.4506



84.2833, 0.2902, 0.3885



20.2494, 0.3130, 0.3535



37.4985, 0.3021, 0.5983



3.6772, 0.3064, 0.5949

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.3587, 0.3102, 0.2433



49.4958, 0.3094, 0.2277



54.8334, 0.3449, 0.2764



18.2088, 0.3123, 0.3055



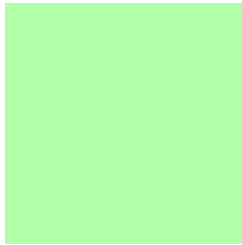
12.6959, 0.2974, 0.1412



1.2603, 0.3003, 0.1428

Previews

White Background



This preview shows how the Yxy color 83.7317, 0.3127, 0.4288 looks on a white background.

Color Contrast Check

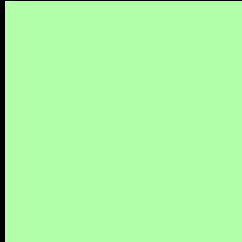
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 83.7317, 0.3127, 0.4288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

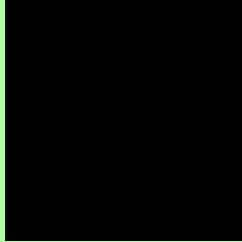
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7317, 0.3127, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 83.7317, 0.3127, 0.4288.

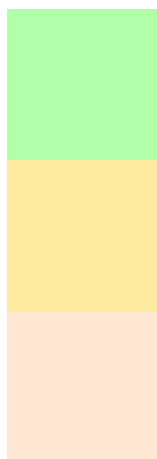


This preview shows how white text looks on a background with the Yxy color 83.7317, 0.3127, 0.4288.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.7317, 0.3127, 0.4288

Protanopia

83.0256, 0.3749, 0.4046

Deuteranopia

83.1150, 0.3427, 0.3491



Tritanopia

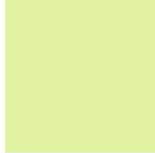
83.3960, 0.2835, 0.3143

Trichromacy



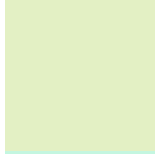
Original Color

83.7317, 0.3127, 0.4288



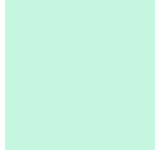
Protanomaly

82.3174, 0.3505, 0.4138



Deuteranomaly

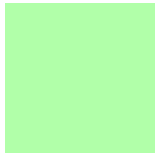
82.6366, 0.3313, 0.3760



Tritanomaly

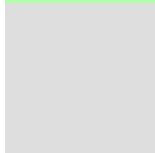
83.0291, 0.2942, 0.3532

Monochromacy



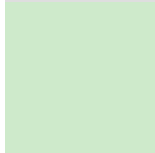
Original Color

83.7317, 0.3127, 0.4288



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2792, 0.3131, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7317, 0.3127, 0.4288 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(177, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 169)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(177, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 169) }
```

Border

The CSS property to change the border of an element to Yxy 83.7317, 0.3127, 0.4288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 169) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(177, 255, 169) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(177, 255, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7317, 0.3127, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 169) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(177,  
255, 169) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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